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1 EmuNET: a real-time network emulator



Ayman Kayssi, Ali El-Haj-Mahmoud

March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing

Publisher: ACM

Full text available: pdf (591.99 KB) Additional Information: full citation, abstract, references, index terms

New protocols and network applications must be extensively tested before deployment on the Internet. In this paper, we describe the design and implementation of EmuNET, a lightweight, portable, configurable, and extendable network emulator, which can ...

Keywords: delay, jitter, network emulation, queuing disciplines

2 Instruction Set Emulation for Rapid Prototyping of SoCs

Jurgen Schnerr, Gunter Haug, Wolfgang Rosenstiel

March 2003 DATE '03: Proceedings of the conference on Design, Automation and Test in Europe - Volume 1, Volume 1

Publisher: IEEE Computer Society

Additional Information: full citation,

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In this paper the application of Instruction Set Emulation for rapid prototyping of SoCs will be presented. The emulation works in a way that both the software and the hardware behaviour of the emulated processor core is reproduced cycle accurately. ...

3 Automatic support for web user studies with SCONE and TEA



Hartmut Obendorf, Harald Weinreich, Torsten Hass

April 2004 CHI '04: CHI '04 extended abstracts on Human factors in computing systems

Publisher: ACM


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Full text available:  pdf(256.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This paper describes the concepts of TEA, a flexible tool that supports user tests by automating repetitive tasks and collecting data of user inputs and actions. TEA was specifically designed for user studies in the World Wide Web and is able to interact ...

Keywords: WWW, test automation, usability testing methods


4 [Creating Value Through Test](#)

Erik Jan Marinissen, Bart Vermeulen, Robert Madge, Michael Kessler, Michael Muller

March 2003 DATE '03: Proceedings of the conference on Design, Automation and Test in Europe - Volume 1, Volume 1

Publisher: IEEE Computer Society

Additional Information: [full citation](#),

Full text available:  pdf(500.57 KB)  [Publisher Site](#)

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Test is often seen as a necessary evil; it is a fact of life that ICs have manufacturing defects and those need to be filtered out by testing before the ICs are shipped to the customer. In this paper, we show that techniques and tools used in the testing ...

5 [Making Space for Voice: Technologies to Support Children's Fantasy and Storytelling](#)

J. Cassell, K. Ryokai

January 2001 Personal and Ubiquitous Computing, Volume 5 Issue 3

Publisher: Springer-Verlag

Full text available:  pdf(436.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Fantasy play and storytelling serve an important role in young children's development. While computers are increasingly present in the world of young children, there is a lack of computational tools to support children's voices in everyday ...



6 [A First Step Towards Hw/Sw Partitioning of UML Specifications](#)

W. Fornaciari, P. Micheli, F. Salice, L. Zampella

March 2003 DATE '03: Proceedings of the conference on Design, Automation and Test in Europe - Volume 1, Volume 1

Publisher: IEEE Computer Society

Additional Information: [full citation](#),

Full text available:  pdf(152.18 KB)  [Publisher Site](#)

[abstract](#),
[references](#),
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This paper proposes a novel methodology tailored to design embedded systems, taking into account the emerging market needs, such as hw/sw partitioning, object-oriented specifications, overall design costs and early

analysis of design alternatives. The ...

7 Automatic fitting of cochlear implants with evolutionary algorithms



C. Bourgeois-République, J. J. Chabrier, P. Collet

March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing

Publisher: ACM

Full text available: pdf(460.24 KB) Additional Information: full citation, abstract, references, cited by, index terms

This paper presents an optimisation algorithm designed to perform *in-situ* automatic fitting of cochlear implants. All patients are different, which means that cochlear parametrisation is a difficult and long task, with results ranging from perfect ...

Keywords: cochlear implants, interactive evolutionary optimization

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